

EXHIBIT B

Write in Dark Ink on Front Side Only, Please



INVENTION DISCLOSURE

PDNO 10011681

DATE RCVD

PAGE ONE OF 4
ATTORNEY EA

Instructions: The information contained in this document is COMPANY CONFIDENTIAL and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.

Descriptive Title of Invention:

Ink Jet Emissions Condensate Collection and Storage System Using Sealed Containers

Name of Project:

FALCON

Product Name or Number:

Scanning/Page Wide Array

Was a description of the invention published, or are you planning to publish? If so, the date(s) and publication(s):

Was a product including the invention announced, offered for sale, sold, or is such activity proposed? If so, the date(s) and location(s):

Was the invention disclosed to anyone outside of HP, or will such disclosure occur? If so, the date(s) and name(s):

If any of the above situations will occur within 3 months, call your IP attorney or the Legal Department now at 1-898-4919 or 970-898-4919.

Was the invention described in a lab book or other record? If so, please identify (lab book #, etc.)

Was the invention built or tested? If so, the date:

Was this invention made under a government contract? If so, the agency and contract number:

Description of Invention: Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the Inventor(s) and witness(es).

- Description of the construction and operation of the invention (Include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)
- Advantages of the invention over what has been done before.
- Problems solved by the invention.
- Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.).

Signature of Inventor(s): Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date: []

Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
410718	MICHAEL A. RICCI	MDRicci	312-6468		5400-5643
464122	DAVID B. LASINSKI	DavidLasinski	212-2176		IPD R&D 5400-524346
93008	MARTIN G. ROCKWELL	MartinRockwell	212-6718		IPD R&D 5400
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
(If more than four inventors, include additional information on another copy of this form and attach to this document)					

Form 3.1 idf.doc, rev.

Write in Dark Ink on Front Side On., Please

INVENTION DISCLOSURE		COMPANY CONFIDENTIAL	PAGE <u>2</u> OF <u>4</u>
Signature of Witness(es): (Please try to obtain the signature of the person(s) to whom invention was first disclosed.) The invention was first explained to, and understood by, me (us) on this date: []			
Full Name	Signature	Date of Signature	
Wade Antoine Powell	Wade A. Powell		
Full Name	Signature	Date of Signature	
JOHN ANTONIO BARINAGA	John Branya		
Inventor & Home Address Information: (If more than four inventors, include add'l. information on a copy of this form & attach to this document)			
Inventor's Full Name			
Michel Rieu			
Street			
12348 SE Grove Cl.			
City	State	Zip	
Milwaukee	OR	97222	
Do you have a Residential P.O. Address? P.O. BOX	City	State	Zip
Greeted as (nickname, middle name, etc.)	Citizenship		
Mike	CANADA		
Inventor's Full Name			
DAVID BERT LARSON			
Street			
16310 NE 34 th ST			
City	State	Zip	
Vancouver	WA	98682	
Do you have a Residential P.O. Address? P.O. BOX	City	State	Zip
Greeted as (nickname, middle name, etc.)	DAVID	Citizenship USA	
Inventor's Full Name			
Martin Guy Rockwell			
Street			
26300 SW Graham Ferry Rd			
City	State	Zip	
Sherwood	OR	97140	
Do you have a Residential P.O. Address? P.O. BOX	City	State	Zip
Rockley	USA		
Greeted as (nickname, middle name, etc.)	Citizenship		
Inventor's Full Name			
Street			
City	State	Zip	
Do you have a Residential P.O. Address? P.O. BOX	City	State	Zip
Greeted as (nickname, middle name, etc.)	Citizenship		

Form 3.1 idf.doc, rev

Page 3/4

Mike Riou

[Handwritten signatures: Mike Riou, David J. Brown, Jeff Maki]

A: Description of Invention

New high throughput writing systems will require heaters to drive off moisture from the paper. This is required to achieve handleability and stacking goals for the output. Once the paper and ink is heated, the high humidity air must be collected, processed and exhausted to the atmosphere. The humid air is a mixture of water from the ink, paper, solvents from the ink, and ink aerosol. Once the water and solvents have been condensed out of the system, they have to be put in a reservoir for storage or disposal.

This invention uses a sealed container as a reservoir. The condensate is pumped into the container which is then replaced at service intervals, or it is of sufficient size to last the life of the product.

(See attached diagram for a schematic of system.)

B: Advantages of Invention:

- 1) The sealed container cannot spill and is thus safe for the environment.
- 2) The container can be replaced at service intervals.
- 3) The customer can replace the container and ship the waste ink back to HP.

C: Problems Solved by the Invention:

- 1) The condensate is safely stored until it is disposed of.
- 2) The container can also be used as a shipping container.

D: Prior Solutions and their Disadvantages:

The only solution I know of is an aerosol fan to remove air from the interior of the printer. We have never cooled or condensed vapour.

Witnesses:

[Handwritten signatures: Wade A. Powell, John Barry, J.B.]

Project No. _____
Doc. No. _____

Page 4/4

61

E EMISSIONS CONDENSER / STORAGE SYSTEM

Page No. _____

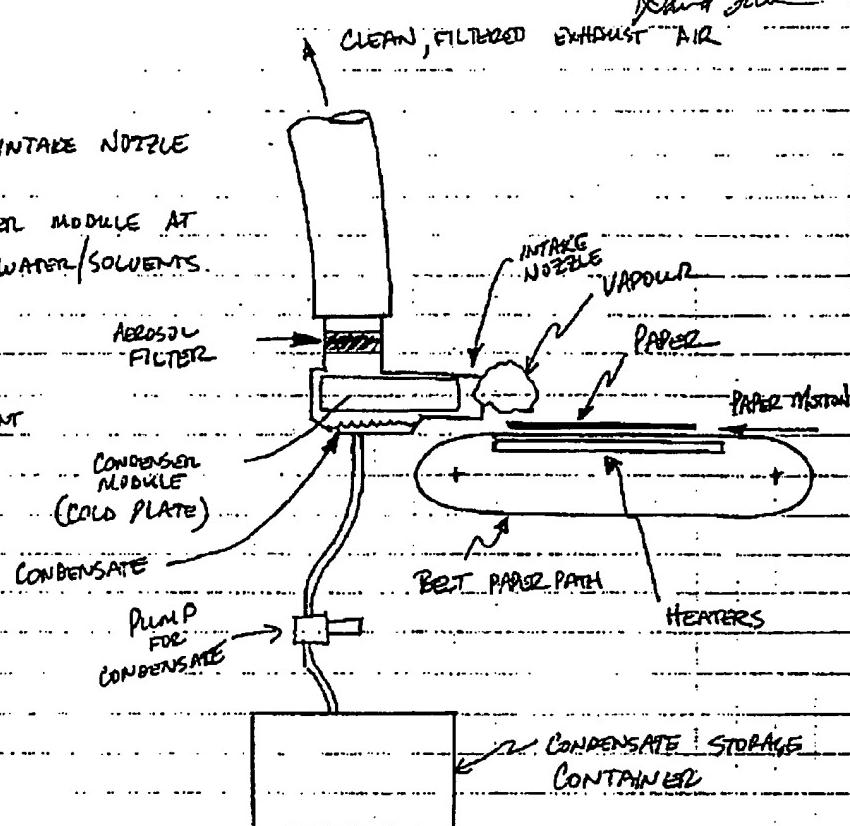
① AIR(VAPOUR) SUCKED INTO INTAKE NOZZLE

② VAPOUR RUNS ACROSS CONDENSER MODULE AT LOW TEMP TO CONDENSE WATER/SOLVENTS.

③ AIR IS FILTERED

④ AIR IS RELEASED TO AMBIENT OFFICE CONDITIONS

⑤ CONDENSATE IS PUMPED TO A RESERVOIR



(THIS RESERVOIR MAY
BE FIXED OR
REPLACEABLE DEPENDING
UPON LIFE OF
PRINTER.)

Witnesses:Wanda PowellJohn Gray

To Page No. _____

Assessed & Understood by me,

Date

Invented by

John Gray

Date